delmarva power

A PHI Company

DELAWARE LEVEL 1 INTERCONNECTION APPLICATION/AGREEMENT

With Terms and Conditions for Interconnection
(Lab Certified Inverter-Based Small Generator Facilities Less than or Equal to 10 kW)

The Green Power Connection™ Team
Delmarva Power
A PHI Company
(866) 634-5571 - Phone
gpc-north@pepcoholdings.com

(Send applications via Email or Mail to Delmarva Power, GPC Team)

Mailing Address: 5 Collins Drive, Mail Stop 84CP22, Carneys Point, NJ 08069

delmarva power
A PHI Company

PART 1

DELAWARE LEVEL 1 INTERCONNECTION APPLICATION & AGREEMENT

With Terms and Conditions for Interconnection
(Lab Certified Inverter-Based Small Generator Facilities Less than or Equal to 10 kW)

(Application & Conditional Agreement – to be completed prior to installation)

INTERCONNECTION CUSTOMER CONTACT INFORMATION

Customer Name: John Pitman

Mailing Address: 37478 Club House Rd

City: Ocean View State: DE Zip Code: 19970

Contact Person/Authorized Agent (If other than above): _____

Mailing Address (If other than above): _____

Telephone (Daytime): 302-539-5280 (Evening): _____

Fax Number: _____ E-Mail Address (Required): Beachmouse7@mchsi.com

Alternate Project Contact Information: (if different from Customer-Generator above)

Alternate Name: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Telephone (Daytime): _____ (Evening): _____

Fax Number: _____ E-Mail Address: _____

If an email is provided for your alternate contact, that contact will receive all email communications.

FACILITY INFORMATION

Facility Address: 37478 Clubhouse Rd

City: Clarksville State: DE Zip Code: 19970

DPL Account #: 5500 8140 752 Meter #: _____

Current Annual Energy Consumption (optional): 14500 kWh

Check if this Facility (building) is, or is going to be, NEW CONSTRUCTION: ☐

Estimated Commissioning Date: 11/1/17

Energy Source: Solar PV Prime Mover: Photovoltaics

Type of Application: Initial [X] Addition/Upgrade [ ] [1]

Initial Rating: DC Generator Total[2] Nameplate Rating: 12.76 (kW),
AC Inverter Total[3] Rating 10 (kW),
AC System Design Total Capacity[4]: 10 (kW) 10000 (kVA)

Added Rating (**if upgrade**): DC Generator Total Nameplate Rating: _____ (kW),
AC Inverter Total Rating _____ (kW),
AC System Design Total Capacity: _____ (kW) _____ (kVA)

Total Rating (**if upgrade**): DC Generator Total Nameplate Rating: _____ (kW),
AC Inverter Total Rating _____ (kW),
AC System Design Total Capacity: _____ (kW) _____ (kVA)

Generator (or PV Panel) Manufacturer, Model #[5]: SolarWorld 290w All Black MONO

A copy of Generator nameplate and Manufacturer's Specification Sheet may also be submitted

Number of Generators (or PV Panels): 44

Type of Tracking if PV: Fixed [■] Single Axis [ ] Double Axis [ ]

Array Azimuth if PV: 112 ° Array Tilt if PV: 18 °

Shading Angles if PV at E, 120°,150°,S,210°,240°,W: _____ ° (Separate with comas)

Inverter Manufacturer[6]: Fronius Model Number(s) of Inverter[7]: PRIMO 10.0

Number of Inverters[8]: 1 Inverter Type: Forced Commutated [ ] Line Commutated [■]

Ampere Rating: 41.66 $Amps_{AC}$, Number of Phases: [■] 1 [ ] 3

Nominal Voltage Rating: 240 V_{AC}, Nominal DC Voltage: 352 V_{DC},

Power Factor: 100 %, Frequency: 60 Hz, Efficiency: 96 (%)

DPL Taggable, Lockable, Accessible Disconnect[9]: [ ] Yes [■] No,

If Yes, Location: _____

One-line Diagram Attached (Required): [■] Yes [ ] No,

Site Plan Attached (Required): [■] Yes [ ] No

Do you plan to export power?[10] [■] Yes [ ] No, If Yes, Estimated Maximum: 6 kW_{AC}

Estimated Gross Annual Energy Production: 14484 kWh

Is the inverter IEEE/UL1741 lab certified? Yes [■] No [ ]
(If yes, attach manufacturer's cut sheet showing listing and label information from the appropriate listing authority, e.g. UL 1741 listing. If no, facility is not eligible for Level 1 Application.)

---

[1] Initial if first time generator request. Addition/Upgrade if this is an add-on to a previously approved system.
[2] Sum of all generators or PV Panels
[3] Sum of all inverters
[4] This will be your system design capacity based upon your unique system variables.
[5] If more than one type, please list all manufactures and model numbers.
[6] If more than one manufacture, please list all.
[7] If more than one model number, please list all.
[8] Attach additional sheets as necessary in the event of multiple inverters of various types/sizes
[9] This is strongly recommended by the utility. Best practice is to have an externally accessible, lockable, disconnect with visible open/close connection and to have appropriate signage on the disconnect, such as 'Solar PV AC Disconnect' (preferably red) and on the meter housing 'Caution, Solar Electric System'" (preferably yellow). If the disconnect is not in the immediate vicinity of the meter, please include the disconnect location on the meter signage. This enables the utility and first responders to more quickly deal with an emergency situation.
[10] Yes, if your expected maximum output of the inverter (kW AC) is greater than the lowest load you anticipate at your facility during maximum PV output (kW). The difference would be the amount you may export.

EQUIPMENT INSTALLATION CONTRACTOR

Owner (Customer) Installed: ☐ Yes ☒ No

Contractor Name: Alutech United Inc

Mailing Address: 117 Dixon St

City: Selbyville State: DE Zip Code: 19975

Telephone (Daytime): 800-233-1144 (Evening): 302-841-9059

Fax Number: 302-436-5100 E-Mail Address (Required): Haleigh@greenstreetsolar.com

ELECTRICAL CONTRACTOR

Electrical Contractor Name: Alutech United Inc

Mailing Address: 117 Dixon St

City: Selbyville State: DE Zip Code: 19975

Telephone (Daytime): 800-233-1144 (Evening): 302-841-9059

Fax Number: 302-436-5100 E-Mail Address: Russell@greenstreetsolar.com

License number: T1-0005686 Active License? Yes ☒ No ☐

Is small generator facility eligible for Net Metering? Yes ☒ No ☐

INSURANCE DISCLOSURE

The attached terms and conditions contain provisions related to liability and indemnification, and should be carefully considered by the interconnection customer. The interconnection customer is not required to obtain general liability insurance coverage as a precondition for interconnection approval; however, the interconnection customer is advised to consider obtaining appropriate insurance coverage to cover the interconnection customer's potential liability under this agreement.

CUSTOMER SIGNATURE

I hereby certify that: 1) I have read and understand the terms and conditions which are attached hereto by reference and are a part of this Agreement; 2) I hereby agree to comply with the attached terms and conditions; and 3) to the best of my knowledge, all of the information provided in this application request form is complete and true. I consent to permit the PSC and interconnecting utility to exchange information regarding the generating system to which this application applies.

Interconnection Customer Signature: John B Pitman Date: 9/1/17

Printed Name: John Pitman Title: Homeowner

delmarva power
A PHI Company

PART 2

DELAWARE INTERCONNECTION APPLICATION & AGREEMENT

With Terms and Conditions for Interconnection
(Lab Certified Inverter-Based Small Generator Facilities Less than or Equal to 10 kW)

(Final Agreement – must be completed after installation and prior to interconnection)

Certificate of Completion[11]

INTERCONNECTION CUSTOMER CONTACT INFORMATION

Customer Name: John Pitman

Mailing Address: 37478 Club House Rd

City: Ocean View State: DE Zip Code: 19970

Telephone (Daytime): 302-539-5280 (Evening): _____

Fax Number: _____ E-Mail Address: beachmouse7@mchsi.com

FACILITY INFORMATION

Facility Address: 37478 Clubhouse Rd

City: Clarksville State: DE Zip Code: 19970

DPL Account #: 5500 8140 752 Meter #: _____

Energy Source: Solar PV Prime Mover: Photovoltaics

Inverter Type: Forced Commutated ☐ Line Commutated ■

Number of Inverters: 1

Inverter Manufacturer: Fronius Model Number(s) of Inverter: PRIMO 10.0

Rating

DC Generator Total[12] Nameplate Rating: 12.76 (kW),
AC Inverter Total[13] Rating 10 (kW),
AC System Design Total Capacity[14]: 10 (kW) 10000 (kVA)

Generator (or PV Panel) Manufacturer, Model #[15]: SolarWorld 290w All Black MONO

[11] Information entered here on Certificate of Completion (Part 2) must match part 1
[12] Sum of all generators or PV Panels
[13] Sum of all inverters
[14] This will be your system design capacity based upon your unique system variables.
[15] If more than one type, please list all manufactures and model numbers.

EQUIPMENT INSTALLATION CONTRACTOR Owner (Customer) Installed: ☐ Yes ☒ No

Contractor Name: Alutech United Inc

Mailing Address: 117 Dixon St

City: Selbyville State: DE Zip Code: 19975

Telephone (Daytime): 800-233-1144 (Evening): 302-841-9059

Fax Number: 302-436-5100 E-Mail Address: Haleigh@greenstreetsolar.com

FINAL ELECTRIC INSPECTION AND INTERCONNECTION CUSTOMER SIGNATURE

The Small Generator Facility is complete and has been approved by the local electric inspector having jurisdiction. A signed copy of the electric inspector's form indicating final approval is attached. The Interconnection Customer acknowledges that it shall not operate the Small Generator Facility until receipt of the final acceptance and approval by the EDC as provided below.

Signed: John B Pitman Date 11/3/2017
(Signature of interconnection customer)

Printed Name: John Pitman

Check if copy of signed electric inspection form is attached ☒

.....

ACCEPTANCE AND FINAL APPROVAL FOR INTERCONNECTION ***(for EDC use only)***

The interconnection agreement is approved and the Small Generator Facility is approved for interconnected operation upon the signing and return of this Certificate of Completion by EDC:

Electric Distribution Company waives Witness Test? *(Initial)* Yes (LH) No (_____)
If not waived, date of successful Witness Test: _____ Passed: *(Initial)* (_____)

EDC Signature: Lakeisha Harris Date: 11/27/2017

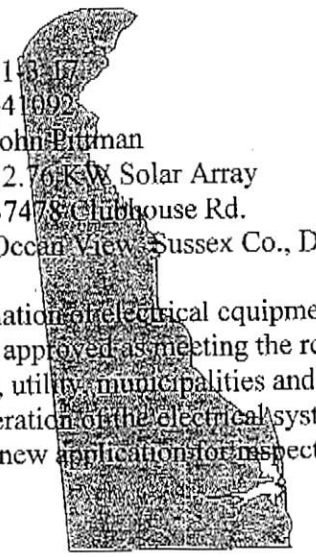
Printed Name: Lakeisha Harris Title: Acct Rep

First State Inspection Agency, Inc.
1001 Mattlind Way
Milford, DE 19963

1-800-468-7338
302-422-3859

Alutech United, Inc.
James Rodrigue
PO Box 329
Selbyville, DE 19975

CERTIFICATE



Final Inspection Date: 11-3-17
Application #: 041092
Owner: John Pittman
Occupancy: 12.76 KW Solar Array
Location: 37478 Clubhouse Rd.
Ocean View, Sussex Co., DE

This certifies that the installation of electrical equipment listed on referenced application has been approved as meeting the requirements of the National Electric Code, utility, municipalities and Agency rules. Any modification, addition or alteration on the electrical system, after the date of final inspection, will require a new application for inspections and certifications.

Robert Lee
Chief Electrical Inspector

F.S. CERT

FSIA-4